



Volume 13, No. 38

HEADQUARTERS, PACIFIC MISSILE RANGE, POINT MUGU, CALIFORNIA

SEPT. 7, 1962

Arguello Testing Mercury Control Center for Next Orbital Flight

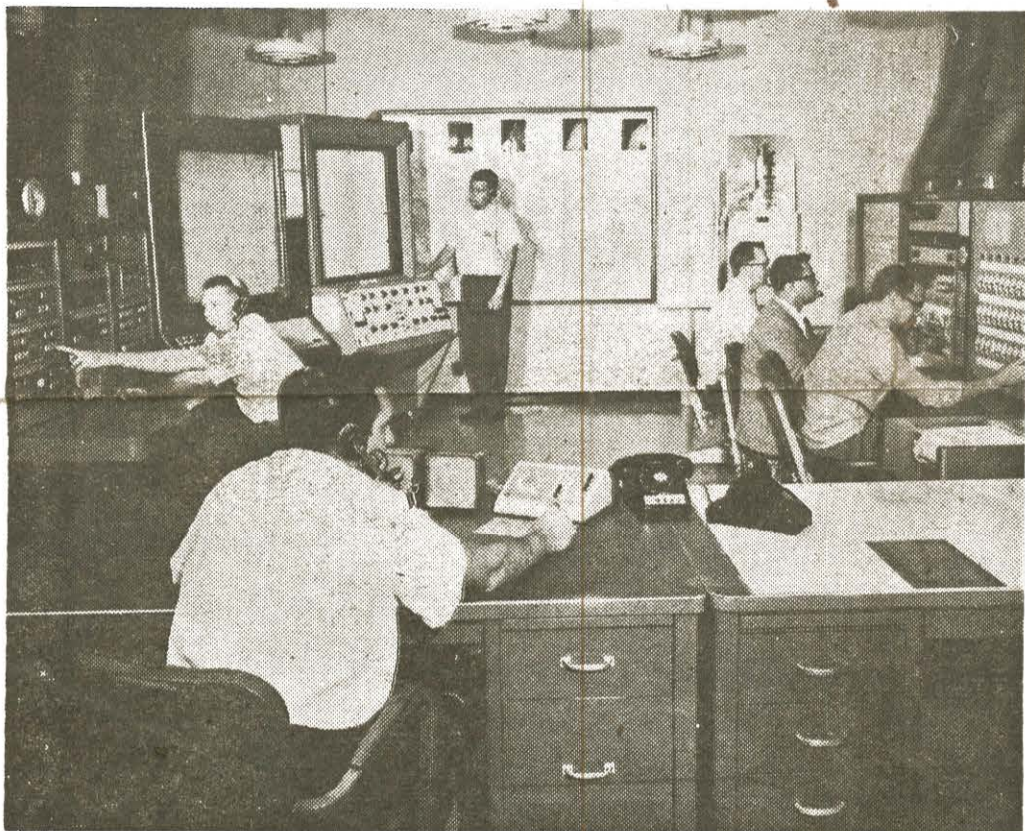
POINT ARGUELLO, CALIF., August 30, 1962 — A simulated test of the Point Arguello Mercury Control Center equipment is being made here made by technicians of the Federal Electric Corporation, prime contractor for the Pacific Missile Range. During the upcoming planned six orbital flight of Navy Commander Walter M.

Schirra, Jr., a Project Mercury team will man various positions in the center.

One of the seven Astronauts will occupy the center console as Capsule Communicator for the scheduled September flight.

In previous Project Mercury flights, Astronauts L. Gordon Cooper, Walter M. Schirra, Jr., and Alan B. Shepard have man-

ned controls at this prime West Coast tracking station. Point Arguello's one of the six command stations in the world-wide Mercury network capable of firing the world-wide Mercury network capable of firing the retro-rocket sequence for re-entry of the spacecraft, last December triggered Enos the astrochimp back to earth here.



MERCURY CONSOLE — Federal Electric Corporation technicians (left to right) A. J. Ross; Project Mercury Maintenance and Operations Supervisor, Frank Przeslieke, Wallace Byrd, Don Cross, L. W. Slagle and Robert Stoll at the Arguello Mercury Control Center.

CBC Warfield Gym Will Host Space Fair Dance

POINT MUGU — Jerry Gray's Hollywood Palladium Orchestra will provide dance music during the 1962 Space Fair Dance, October 12, from 8 to 12 p.m.

Sponsored by Point Mugu and the CB Center, the dance will be the kick-off event of the annual Space Fair here on Saturday and Sunday, October 20 and 21.

Warfield Gymnasium, at CBC, has been chosen for the dance which will be open to the public. Tickets, soon to go on sale at Point Mugu and in the area, will be \$3.00 for couples and \$2.00 stag.

Funds raised at the dance and during the fair will be turned over to the Navy Relief Society and the Ventura County USO Building Fund.

One of the high lights of the evening will be the crowning of the 1962 Space Fair Queen. The queen and two princesses, the two top runners up in the annual contest, will reign over the 1962 fair. They will be chosen

by the number of 25 cent votes turned in by girls sponsored by various activities at Mugu and CBC.

The CBC Enlisted Men's Club will cater the dance. Sandwiches, salads and soft drinks will be sold. Dress for the dance will be uniform and/or coat and tie.

Fashion Show At CBC "O" Club

POINT MUGU — CBC Huene-me "O" Wives will present a "My Fair Lady" fashion show and luncheon at the CB Center Officers Club on Wednesday, September 12. Price for the show is \$1.75.

Cocktails will be served at 12:30. For reservations, phone HU 6-0854 or HU 7-1832.

Weekend Yields 24 Deer to Arguello Hunters

NMF POINT ARGUELLO — Combined Mugu and Arguello deer hunters kicked off the opening of doe season last Saturday with one of the most successful hunts of the year taking a total of 24 deer over the three-day Labor Day weekend.

Even though heavy morning and evening fog hampered hunters, the kill rate was still higher than officials here had expected. Two bucks, a forked horn, and a three-pointer headed the kill list for the weekend.

To date, 30 bucks and 22 doe have been taken by hunters from Mugu and Arguello.

Of the group making the weekend trek from Point Mugu, Colonel O. L. Koontz, Lt. Col. W. C. Dodds and Al Newlin all bagged does. Charles McPheeters and Cdr. K. M. Kushman took spike bucks.

Mugu To Host Navy's 5th Space Medicine Meeting

POINT MUGU — Fifty of the country's top space-medicine researchers will be attending the Fifth Navy Bio-Astronautics Research Conference to be held here next week. The four-day conference, beginning on Monday, September 10, will feature speeches, panels and forums with noted specialists who are doing man-in-space research.

The purpose of the conference is to allow Naval doctors to exchange information on their special astronautical projects and discuss future trends in medical space research.

Conference chairman, Captain V. G. Benson, Bio-Science Officer, and Co-chairman, Dr. S. N. Stein, Bio-Science Deputy, and their committee have been busy over conference plans for several weeks. The program will include six morning and afternoon sessions and a day of touring Naval missile facilities and Vandenberg Air Force Base. Pacific Missile Range commander, RAdm. J. E. Clark, will open the conference and participate in the concluding panel.

Conference attendees will include RAdm. K. C. Kenney, Surgeon General and Chief, Bureau of Medicine and Surgery; RAdm. C. B. Galloway, Ass't Chief for Research and Military Medical Specialties, Bureau of Medicine and Surgery; and RAdm. H. J. Cokely, MC, USN, District Medical Officer, 11th Naval District and Commanding Officer, U. S.

Naval Hospital, San Diego, California.

Other major organizations represented at the conference will include: U.S. Naval Medical Research Institute, U. S. Naval School of Aviation Medicine, U. S. Naval Medical Research Laboratory, U. S. Naval Toxicology Unit, the Office of Naval Research, the Bureau of Weapons, Department of Defense, PMR, NMC, NASA, and the Air Force.

Eleven Mugu people will attend the conference. They are: Capt. V. G. Benson, MC, USN, Bio-Science Officer, PMR; Capt. E. L. Burdick, MC, USN, Life Sciences Officer, NMC; Cdr. A. L. Hall, MSC, USN Bio-Environmental Division Officer, NMC; Capt. S. Goren, MSC, USN, Biological Science Division Officer, PMR; Lt. E. M. Buckley, MSC, USN, Administrative and Support Officer, PMR; Lt. G. G. Lucchina, MC, USNR, Bio-Medical Division Officer, Life Sciences Department, NMC; Lt. S. Pye, MC, USN, Senior Medical Officer, Naval Missile Facility, Point Arguello.

Civilian personnel will include: Dr. W. D. Bliss, Human Engineering Division Officer, Life Sciences Department, NMC; Dr. C. M. Maag, technical Consultant, Life Sciences Department, NMC; Dr. S. N. Stein, Deputy Bio-Science Officer, PMR; Mr. J. N. Pecoraro, Bio-Engineering Division Officer, NMC.

Professional Employees Election Next Week

POINT MUGU — Group representatives to the Board of Professional Employees will be elected next week. There will be separate ballots for each of the five organizational groups here.

One new member will be elected from each group. In Group II and Group IV, an additional member will be elected to fill present vacancies. Write in votes will be permitted, but all candidates must meet requirements stated in the board's by-laws and be willing to accept election.

Portable ballot boxes will be issued to present group representatives. Information regarding the election or the names of group representatives can be obtained by calling Daniel J. Zoll, election committee chairman, at ext. 8737. Nominees for Group I, PMR Staff, are Jack L. Ellison, Richard E. Wetzel, and John A. Whalen.

Group II nominees, Range Support Directorate and NAG, are James Cowley and Dave Wong.

From Technical Support and Public Works Group III, nominees

are Samuel Collie and William H. Winner.

Group IV Naval Missile Center nominees are Richard Lane, Twain C. Lockhart, and Charles Tubbs.

Nominees from Laboratories Directorate Group IV are Arvid A. Anderson, Douglas Everett, Ed Gravel, and Fred Ulam.

Balloon Alert Set for Today

POINT MUGU — Micro-meteorological studies of the lower atmosphere of the Oxnard plain will be conducted by the Pacific Missile Range Weather Center today and the first three days of next week.

Helium-filled balloons will be released from Point Mugu, Oxnard Air Force Base and the Ventura County Airport simultaneously at 8:30 a.m., 12 noon and 3 p.m. on those days.

These routine observations will provide comparative data from the three stations to be used in determining meteorological influ-

(See Balloon P-4)

Editorial

Why bother? It's only a piece of paper. Besides, what difference does it make to us? We're in uniform.

Ever hear that sort of talk? Maybe you were doing the talking. In any case, it doesn't hold water, not when the piece of paper is your ballot. What happens on the first Tuesday in November makes a lot of difference to us. It's the day Americans decide who's going to run our government—at national, state, county or town level.

We decide — that's the great thing. Millions of Russians and Chinese and other peoples in police states go through life envying us that privilege which some of us take for granted. As free Americans we don't take any pushing around or funny business from our elected leaders. We put them in and we can put them out.

And as for being in uniform, that doesn't make us a breed apart. Service life gives a man a deeper understanding of duty; we should be the first to see that it's our duty as citizens to use our ballot. Wherever we are, we have a stake in what's going on at home.

Every state in the Union provides absentee ballots so we can make ourselves heard. All the services have designated Voting Officers with information about elections to be held in our particular state.

So there you are—the right that guarantees all other rights is ours. Let's not pass it up!

Muguvians to Attend R & D Clinic At Seattle Next Week

POINT MUGU — Mr. Stanley R. Radom, Deputy Director of Range Support, and Mr. Kenneth Lichti, Head, Range Analysis and Planning Division, will represent the Pacific Missile Range at the Navy's Sixth Annual Research and Development Clinic in Seattle next week. The clinic will be held September 12 through 15 at the University of Washington.

Speakers of national stature will address the general sessions of the clinic on matters related to objectives, policies and significant trends in the Navy, industry and science. Technical exhibits of the Navy and Private industry will illustrate significant advances in several fields.

Scientists, engineers, and technical personnel from Navy research and development activities, representatives of contractors, and research institutions from all over the United States will meet to exchange information of the state-of-the-art in several fields and to learn of the Navy's technical requirements and problems. Mr. Radom and Mr. Lichti will be part of the Navy's 50 member group at the clinic.

The Navy Department instituted the research and develop-

ment clinic program in order to broaden the base of creative talent engaged in developing and improving its weapons systems. Each year the clinic is held in a different region of the country. Attendees come by invitation from throughout the United States.

This year, the Pacific Northwest Clinic will cover the Navy's problems in the fields of electricity, measurements, materials, life sciences, mechanics and fabrication, ocean environment and forest products. The problems will be presented by concurrent panels.

Mr. Radom will help to moderate the only classified session of the clinic. Mr. Lichti will present a paper entitled Research and Development Problems Facing Missile and Space Ranges in Mr. Radom's session.

Kwaj Officer Retires on Twenty Years

PMRF KWAJALEIN — Twenty years of Naval service ended this week for Lt (jg) S. J. Sumara, electronic division officer here, as he sailed for San Francisco with his wife Dorothy and their three children on the first leg of a trip to retirement at Jacksonville, Fla.

A signalman during World War II, this was Lt (jg) Sumara's second trip to the Kwajalein Atoll. He was crewman aboard the jeep carrier White Plains which was part of the Task Force which liberated Kwajalein. The task force was given liberty on the atoll after the battle.

He was aboard the White Plains during both the Guam and Philippine invasions and was aboard her during the signing of the peace treaty in Tokyo Bay.

Lt (jg) Sumara left the Naval service in 1946, but reenlisted soon afterwards as a radioman first class. In 1951 he changed his rate to aviation electronics technician first class and put on his chief's hat in 1955.

In 1960 he was commissioned an ensign (LDO) and was assigned to a barrier squadron flying as an aviation control information center officer out of Barbers Point, Oahu.

He reported here in March, 1961, and stated on leaving the island that this has been the most enjoyable tour he has had in the Navy.

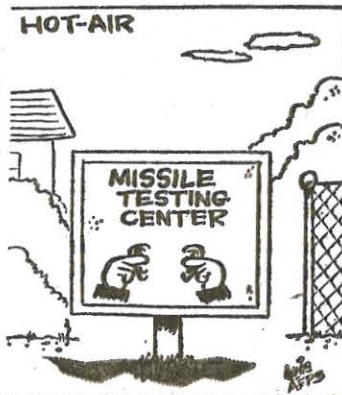
Communicator Selected as 'Man of Month'

PMRF KWAJALEIN — The first man selected for the new "Man of the Month" program here is J. L. Davis, RM3 of the communications division.

His selection gives him the choice of \$50 and being flown to a week-end in Hawaii by available air transportation or being awarded \$40 if he does not choose the Hawaii trip.

Davis' recommendation stated: "(His) performance as an RM3 has been outstanding. His knowledge of both his rate and his work is complete in all respects and he requires an absolute minimum of supervision. Davis' leadership ability and professional knowledge command the highest respect from his seniors and juniors alike and as a result he solicits the best performance from those under him. He possesses a quiet, co-operative personality which contributes greatly toward high morale in his division. His military conduct is both proper and correct. Davis' appearance and military bearing are outstanding."

In July of this year Davis was awarded proficiency pay.



Astronaut Doctors Visit Kokee Park

PMRF KANEEOHE — Last week, three aerospace medical doctors, who are responsible for the health of the nation's astronauts, visited the Pacific Missile Range Kokee Tracking Station.

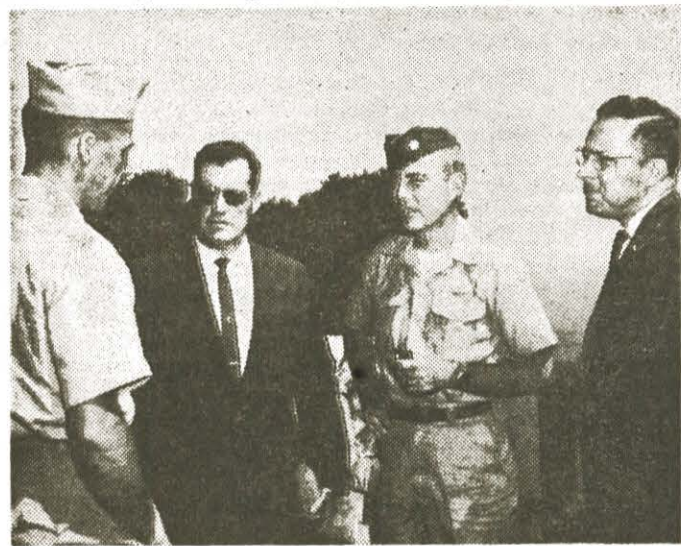
The Doctors were in Honolulu to discuss and coordinate recovery matters with medical officials of the Army Tripler General Hospital. These meetings were directed around Astronaut — Navy Commander Walter Schirra's scheduled six-orbit flight and recovery near Midway Island.

Doctors Richard Pollard, William K. Douglas, and Charles Berry spent more than an hour visiting the Telemetry and Control Building and seeing the FPS-16 and VERLORT areas.

Doctor Berry, a Air Force Lieutenant Colonel, is assigned to

NASA's Aerospace Medical Operations at the Manned Spacecraft Center in Houston, Texas. Also assigned to the Center is Dr. Pollard, an Army Captain. He will be one of two surgeons to make the initial medical examination of Astronaut Schirra immediately after his recovery.

Air Force Lieutenant Colonel Douglas is the Assistant Deputy for Bioastronautics at Patrick AFB, Fla. Dr. Douglas, during the past four Mercury flights, was responsible for the health of the astronauts prior to launch.



ASTRONAUT DOCTORS — Richard Pollard (second from left), William K. Douglas (center), and Charles Berry (right) talk with Lieutenant Donald S. Maunders, PMR Facility Mercury Representative, during their recent visit to the Kokee Tracking Station. This "side trip" to the Range tracking facility was made while the doctors were meeting with Army Tripler General Hospital officials on the recovery of the next astronaut.

Two Mugu Commanders Selected For Captain

POINT MUGU — Two more Mugu officers have been selected for promotion to the rank of Captain, recently. Commander John H. Lobdell, Deputy for Navy Programs, PMR, and Commander John R. Shinneman, Di-

rector, Operational Support, NMC, are slated to receive their new rank soon.



CDR. LOBDELL



CDR. SHINNEMAN

rector, Operational Support, NMC, are slated to receive their new rank soon.

Commander Lobdell is a new arrival to Point Mugu. He began work here on August 1, with Plans and Programs Management (Navy), after coming from Carrier Division 17 where he was Plans Officer and Air Operations Officer.

Commander Lobdell, his wife Lois, and their two children, Marilyn and John, reside at 2926 Lakeshore Court, Oxnard Beach.

the Naval Missile Center. Prior to coming to Point Mugu, Commander Shinneman was Commanding Officer of Utility Squadron 5 in Atsugi, Japan.

The five members of the Shinneman family reside at 1234 Skeel Drive, Camarillo.

Also slated for promotion to Captain is Commander James C. Quillin who recently turned over his command of the Naval Astronautics Group here at Point Mugu to Captain R. T. Tolleson, as reported in the Missile last week.



OVER THIRCE HER SIZE — Little (115 lb.) Marilyn Allen poses with the 350 pound marlin she recently caught on a fishing trip off Kwajalein atoll with her father, Cdr. E. L. Allen, PMRF Kwajalein Executive Officer. Using a 125 lb. test line, Marilyn battled the huge blue fin for almost three hours before she landed it. Her comment on the catch? "I'm very proud," she said.

On-Board Advanced Study Program Starts This Month

POINT MUGU — The 1962 fall semester On-Board Advanced Study Program is scheduled to begin here this month.

Military, civil service and contractor personnel of the Pacific Missile Range complex who meet qualifications for specific courses are eligible to enroll in those courses. Registration for the upper division and graduate courses conducted by UCLA will be at the first class meeting beginning the week of September 17. Registrations in UCLA courses may be made prior to the third class meeting.

Counseling for UCLA graduate work by representatives of the Engineering and Physical Sciences Extension Division will be available by appointment from 1000 to 1500 on Tuesday, September 11. Appointments may be made by calling ext. 8674.

Only the UCLA courses have a tuition fee. These fees are as published by the University and, generally, are \$45 for a three-unit course in math or engineering, \$40 for a three-unit course in

other fields, and \$35 for a two-unit course in math or engineering. Local civil service personnel may be eligible for tuition refund when a work-related course has been completed satisfactorily with a grade of "C" or better.

Military personnel may be eligible for financial assistance under the Navy Tuition Aid Program. Tuition is payable only by check or money order. Personnel planning to register under the GI benefits program should allow sufficient time for processing requests.

Textbooks may be purchased through the Ventura College Bookstore or the UCLA Students' Store. Mailing blanks will be available for UCLA books. Course descriptions for the courses offered are available in the respective college bulletins and information sheets in the Employee Development division office, bldg. 6-1.

The courses announced have been authorized. The offering of any one course is determined by sufficient enrollment to justify that course.

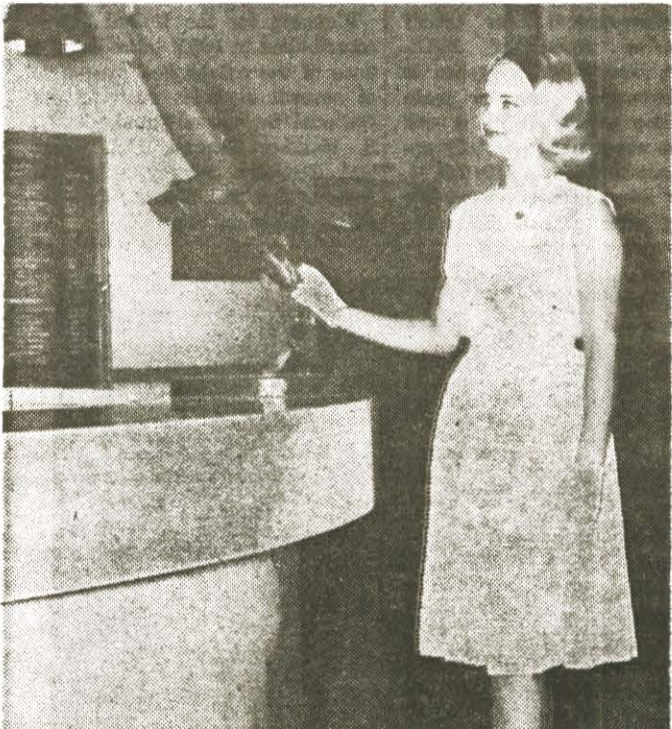
SCHEDULE OF ON-BOARD ADVANCED STUDY PROGRAM — FALL SEMESTER 1962

UPPER DIVISION AND GRADUATE COURSES (UCLA) REGISTRATION AND INSTRUCTION BEGINS WEEK OF 17 SEPTEMBER 1962

COURSE NO.	COURSE TITLE	PREREQUISITES	TIME	Room
ENGR 115D	Pulse and Digital Methods	ENGR 115B or equiv.	1530-Wed.	4
ENGR 181A	Linear System Solutions by Transform Methods	ENGR 100A, 102B, 104A and MATH 110AB	1530-Tues.	8
ENGR 183C	Engineering Statistics II	ENGR 183B	1530-Thur.	4
ENGR 191A	Astrodynamics	MATH 3B, 4A or 6A		10
MATH 108	Linear Algebra	MATH 4A	1530-Thur.	8
MATH 110B	Adv. Engr. Mathematics	MATH 4B	1530-Tues.	7
MATH 122A	Advanced Calculus	MATH 110AB, or 110C or 119A		8
ECON X452ABC	Survey of Industrial Relations	None	1530-Mon.	6-1

LOWER DIVISION (VENTURA COLLEGE) INSTRUCTION BEGINS WEEK OF 17 SEPTEMBER 1962

ELECTRN 95A	Fundamentals of Electronics and Electricity	MATH 1A and 30AB	1530-Thur.	10
ELECTRN 96A	Electronic Fundamentals-Radio	ELECTRN-95AB or equiv.	1530-Tue.	9
MATH 3	Intermediate Algebra	MATH 1	1530-Wed.	10
MATH 5	Plane Trigonometry	MATH 2 and 3	1530-Mon.	7
MATH 10	Calculus II	MATH 15	1530-Tue.	10
MATH 17B	Anal. Geom. and Calculus II	MATH 17A or equiv.	1530-Thur.	7
MATH 30B	Technical Mathematics (Second semester of "Coke's Math")	MATH 1	1530-Wed.	7



VISITING ROYALTY — Looking at model of Regulus II is Miss Pegge Haddon, Armed Forces Day Queen from Puget Sound Naval Shipyard. Miss Haddon, also chosen Miss Bremerton in conjunction with her queenly role for PSNS, will visit Olongapo, Philippines in December, to represent the city of Bremerton. Pegge is now a houseguest of NAS Dental Officer Captain C. R. Connell and family. She plans to return to nursing school at the University of Oregon this week-end with Jane Connell.

Big Crowd at Youngsters Swim Meet

The Second Annual Junior Swim Meet sponsored by Special Services as a climax to the summer swimming program here was held at the NAS pool last Wednesday with an estimated 200 parents, brothers, and sisters on hand to cheer the young swimmers to victory.

Over 80 youngsters participated in the day's activities. Ages ranged from five to 12 years of age. Most parents were well pleased with the day's activities that demonstrated the swimming skills learned by the youngsters during the summer.

Mrs. Gini Jackson, Red Cross Water Safety Instructor, headed the summer program with 18 Volunteer women as aides. These women had 246 children enrolled in the Classes with 146 earning their appropriate Red Cross Certificates. Classes were held for beginners, advanced beginners, intermediates, and swimmers.

Geoffrey Colley, Special Services Pool Manager taught junior life saving and senior life saving to those advanced through the program and ready for the qualifications. Four of his pupils put on a demonstration in Life Saving during the morning's program.

Armed Force Benefit Run by Navy

CHICAGO — The Navy will coordinate military participation in the pre-game half-time activities of the 1962 Armed Forces Benefit Football game to be held at Soldier Field, Chicago, Illinois, between the Chicago Bears and the Cleveland Browns, Friday, September 7, at 8 p.m.

Proceeds from the game — sponsored by the Chicago Newspaper Publishers Association — will go to the relief societies of the Army, Navy, Air Force and Coast Guard.

Highlighting half-time activities will be the presentation of the 1961 Armed Forces Benefit Game Outstanding Player Award to John Farrington, Bear offensive end, by Admiral George W. Anderson, USN, Chief of Naval Operations. Bands and marching units from the various services will take part in the pre-game and half-time activities.

Captain Frank A. Zimanski, USN, Commanding Officer of the Service School Command at Great Lakes, Illinois, is coordinating officer.

Kaneohe Hosts SecNav Guests

PMRF KANEOHE — Fourteen special guests of the Secretary of the Navy, were briefed here last week as part of an extensive tour of Naval installations on the Island of Oahu, Hawaii.

These guests, composed of newspapermen, government employees, heads of industry, teachers and ministers, represented nine central and western states, getting a first hand view of the Navy and its operating forces. They arrived in Hawaii, last week, aboard the aircraft carrier USS RANGER.

SPORTS BRIEFS

FOOTBALL

The Ventura County Condors football team looked impressive in their opening scrimmage last week when they played the strong Valley "All-Stars" to a 6-0 half in the opening night carnival of the Southern California Football Association.

They return to action in their first league encounter tonight at 8:00 PM when they host the Valley "All-Stars" in a full length return engagement at Santa Paula High School.

Paul Dunagen, Al Dandridge, Jim Vanderfeen, and Luther Batters from Point Mugu all turned in outstanding performances. Vanderfeen looked exceptionally impressive at the defensive safety spot when he made numerous tackles and made a spectacular pass interception. It is expected that all four Point Mugu "whitehats" will be in the starting lineup again this week.

Mugu Lady Golfers Start New Season

POINT MUGU — The Flag Tournament, which was held at the CBC golf course Tuesday, to re-activate the Ladies' Golf Club after the summer holidays, got off to a wonderful start when one of the new members who has been playing golf for only two months, made a hole-in-one.

Mrs. Gerald A. Harkless made the ace with a 5-iron on the 122-yard 6th hole. The Flag Tournament was followed by a luncheon and a short business meeting with awards presented for the day's play and also for the ringer tournament that had been in progress throughout the summer.

The new officers for the ladies golf club were introduced to the new members. The new tournament chairman is Mrs. Everett Reed. Handicap Chairman is Mrs. Edward Callas. Treasurer is Mr. Ronald Graham, and Publicity Chairman is Mr. Donald March.

The winner of the flag tournament was Mrs. Donald March with a 36 net. Second place winner was Mrs. Alan Fraser with a 37 net. Third place went to Mrs. Nan Baldwin. Winners for the summer ringer were Mrs. Frank Modic, low gross 72, Mrs. Edward Callas and Mrs. Donald March tied for low net.

Others receiving merchandise awards for summer play were Mrs. Ronald Graham, Mrs. James Ford, Mrs. Alan Fraser, and Mrs. Everett Reed. The Ladies Golf Club will continue throughout the year playing each Tuesday with tee off time from 9 a.m. to 10:30, reserved for ladies only.

A special invitation is extended to all dependent wife golfers to come out and join the group. Beginners who are interested in private or group lessons are also invited to come out. For additional information, call Pat Reed at HU 7-1653 or Juanita March at HU 6-0633.

A moving platform as big as a baseball diamond will carry fully assembled Saturn C-5 rockets, each over 30-stories tall, from an assembly hangar to their launch pads several miles away. The Saturn vehicle will be used in future manned lunar launches.

THREE-MAN BOWLING

Play in the Intramural Bowling Leagues got off with a bang as 48 teams rolled matches in six leagues last week on the local alleys. Interest was high as league officials announced that any team forfeiting contest without notification of League Secretary Bob Gentry would be dropped from further contention. Additional teams are on a waiting list welcoming the opportunity to bowl.

Matches will be rolled weekly through December when the number one team of each league will engage in a nine game roll-off to determine the station championship team.

LAST WEEK'S RESULTS

Monday Noon			
	W	L	Fct.
Targets No. 1	4	0	1000
GMU 7	3	1	750
Aero Space No. 2	3	1	750
GCA No. 1	2	2	500
GMU 41—No. 1	2	2	500
Recip No. 2	1	3	250
NAS Admin No. 2	1	3	250
Jets No. 1	0	4	000

Monday Afternoon			
	W	L	Fct.
VX 4 No. 2	4	0	1000
GCA No. 2	4	0	1000
Astronauts	4	0	1000
FIC No. 2	3	1	750
Targets No. 3	1	3	250
PMR Staff No. 1	0	4	000
Photo Lab No. 4	0	4	000
Jets No. 2	0	4	000

Tuesday Afternoon			
	W	L	Fct.
Recip No. 3	4	0	1000
Systems	3	1	750
Targets No. 4	3	1	750
PMR Staff No. 2	3	1	750
Photo Lab No. 2	3	1	750
Range Ops No. 1	1	3	250
Public Works No. 1	1	3	250
NAS Admin No. 3	0	4	000

Wednesday Noon			
	W	L	Fct.
Ground Electronics	4	0	1000
Photo Lab No. 1	4	0	1000
Public Works No. 3	4	0	1000
Life Sciences	2	2	500
Range Ops No. 2	2	2	500
GMU 41 No. 2	0	4	000
Aero Space No. 3	0	4	000
Supply No. 1	0	4	000

Thursday Noon			
	W	L	Fct.
Aero Space No. 1	4	0	1000
VX 4 No. 1	3	1	750
Supply No. 2	3	1	750
Recip Maint No. 1	2	2	500
PMR Staff No. 3	2	2	500
GCA No. 3	1	3	250
Public Works No. 2	1	3	250
Medical	0	4	000

Thursday Afternoon			
	W	L	Fct.
NAS Admin No. 1	4	0	1000
Dental	4	0	1000
VX 4 No. 3	3	1	750
Targets No. 2	3	1	750
Public Works	1	3	250
GMU 41 No. 3	1	3	250
Photo Lab No. 3	0	4	000
Commissary	0	4	000

Hi Game			
	W	L	Fct.
Slack, GMU 41	213		
Hogue, Recips	208		
Ehrardt, Photo Lab	194		

Hi Series			
	W	L	Fct.
Slack, GMU 41	548		
Hamilton, Aero Space	547		
Gentry, Systems	534		

Hi Averages			
	W	L	Fct.
Slack, GMU 41	182		
Hamilton, Aero Space	181		
Gentry, Systems	178		

PMR Exhibits At Utah State Fair

POINT MUGU — The Pacific Missile Range will show PMR and Polaris displays at the Utah State Fair, Sept. 7-16 at Salt Lake City.

The PMR photo exhibit has 30 scenes of range facilities and equipment, including WV-2-E aircraft, 60-foot diameter radar antenna at San Nicolas Island, and an aerial view of Point Mugu. A 10-foot model of the Polaris Fleet Ballistic Missile will also be on display.

In addition, the film titled "Range Unlimited" will be shown on a continuing basis over a TV set at the fair.

According to Harlen T. Bailey, GMCS and Marvin D. Thompson, SM2, now in Salt Lake City with the displays, nearly 500,000 people are expected to visit the fair.



CONFERENCE NEW Support Department Head at Kaneohe, LCdr. Milton Meyer, (seated), goes over departmental procedures with his assistants—Mr. John Beavers, Deputy Support Officer and storekeeper first class John Clark.

Navy to be Featured On New TV Program

WASHINGTON — Television viewers might be well advised to keep a bottle of seasickness pills handy when they switch on their television sets this fall; a lot of seawater will be in view.

A segment of the "Dennis The Menace" show aired weekly on CBS will delight the young Navy enthusiasts as Dennis takes a trip to the Recruit Training Command at San Diego, California.

Navymen will be interested in the CBS-TV "20th Century" news presentation about the nuclear-powered aircraft carrier USS ENTERPRISE of today's fleet and her forerunner, USS ENTERPRISE (CV-6) of World War II. "20th Century" is also filming an episode on UDT training. In other shows of the same series, CBS will examine the Soviet fishing fleet off our shores and report on biological research being carried out by the Navy.

On the comedy side, one new television effort will be "Ensign O'Toole". Produced without Navy cooperation, this series will relate the exploits of a present-day destroyer and her crew.

Another scheduled series concerns a PT-boat crew in World War II. Called "McHale's Men", it will feature Ernest Borgnine.

Exciting documentaries in the syndicated "Biography" series will tell the stories of Admirals Nimitz and Byrd.

Jackie Cooper's "Hennessey" show has been sold to NBC films for syndication after almost four years of success on CBS.

For the juniors, Walt Disney has an upcoming "Wonderful World of Color" feature on the Navy's Hurricane Hunters, and the new ABC network show "Discovery" will include episodes filmed on board USS CONSTELLATION.

Repeats of old standbys such as "Navy Log", "Blue Angels",

"Silent Service" and "Victory at Sea" will round out a Navy-oriented televising season.

First Fleet Cites PMR For Services

POINT MUGU — Commander, Pacific Missile Range received the following message this week from Vice Admiral R.T.S. Keith, Commander, First Fleet:

"The outstanding support and services furnished by PMR and VU-3 for fleet exercise 'War Dance' in the Pacific Missile Range is most gratifying and greatly appreciated. The outstanding manner in which the missile firing exercise support was planned and carried out once again demonstrated the efficiency, dedication, and high level of professional competence of your command in this aspect of naval warfare. Your cooperation and effort provided needed testing of the capabilities of First Fleet units to employ weapon systems and contributed significantly to our knowledge of our readiness under most realistic conditions."

Operation "War Dance" was a fleet air defense exercise conducted within the PMR sea test range by operating units of the First Fleet including the aircraft carrier USS Kitty Hawk and frigate Coontz both equipped with TERRIER missiles, and the guided missile destroyers Robison and Lynde McCormick both carrying TARTAR missiles.

The Fleet Support Branch of Range Operations Department of PMR assisted in the planning and conduct of the operation.

Balloon—

(Continued from P-1)

ences on range operations. Small radio transmitters will be carried by the 12 foot diameter balloon to collect information from the ground to 10,000 feet.

The transmitters will be returned to the ground by parachute after the balloons burst at 100,000 feet. The public is requested to phone Pacific Missile Range weather office, Hunter 6-8331, ext. 7136, if any balloons are found.

Kaneohe Duty For New PMR Officers

PMRF, Kaneohe — Navy Lieutenant Commanders Milton Meyer Jr., and Richard E. Bryan have recently reported for duty with the Pacific Missile Range Facility, Hawaiian Area.

LCdr. Meyer, a Supply Corps Officer, now heads the Facility's Support Department, and is also in charge of the PMR liaison section at Hickam AFB. He reported aboard from the Naval Supply Center, Norfolk, Va.

The new Support Officer began his naval career 20 years ago as an enlisted man, and was commissioned in 1945. Since then he has served at naval activities across the nation, ships in the Atlantic and Pacific Fleets, and in Morocco - North Africa.

LCdr. Bryan came to this down range headquarters from Air Ferry Squadron 31, NAS Norfolk, Va. He has been assigned the duties of Ship Division Officer, and the USNS Sunnyvale's Ship Control Officer in the Recovery Department.



LCDR BRYAN

A naval aviator, LCdr. Bryan has been flying since 1943. During his flying career he has been attached to fighter, helicopter, multi-engine, and lighter-than-air squadrons.

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Divine Services

Protestant
Chaplain G. R. Brosius
Sunday Worship: 10 a.m. in station chapel.
Sunday School: 9 a.m. for children and pre-schoolers.

Christian Science
Fourth Monday: 6:30 in Station Chapel.

Catholic
Chaplain P. F. Sweeney
Sunday Mass: 8:00 and 11:15 a.m.
Daily Mass: 6:45 a.m.
Novena: 7:00 p.m. Mondays.
Confessions: 7:00 to 8:00 p.m. Saturdays.

The latest invention: A Metre-cal inhaler, for fatheads.

International Quiet Sun Year Preliminary Studies Started

POINT MUGU — The Pacific Missile Range is currently testing THUNDERBIRD and ARCHER single-stage rocket vehicles at Point Mugu. Upon completion of tests and evaluation, one vehicle will be produced in quantity for use during the INTERNATIONAL QUIET SUN YEAR (IQSY).

During the period of the scientific IQSY from July 1964 until December 1965, approximately 200 rockets will be launched throughout the world.

The rocket payloads will contain instrumentation to obtain solar information that will be transmitted to ground stations by means of telemetry.

IGY. The IQSY will be concerned with problems of the upper atmosphere, the interplanetary medium, solar terrestrial relations, and solar physics.

Fields of investigation include ionospheric physics, aurora and air glow, geomagnetism, cosmic rays, aeronomy, meteorology, and solar activity. Various instruments including magnetometers, ionization chambers, geomagnetic detectors, scintillators, solid state detectors and spectrometers will be utilized.

Data will be analyzed in the study of magnetic storm behavior as a means of deducing the interaction of solar particles or plasmoids with the geomagnetic



IQSY ENGINEERS — John Whalen, Pacific Missile Range program manager points to Point Mugu on the world map where new rockets are now being tested for use during the International Quiet Sun Year (1964-65). Naval Missile Center deputy special projects branch head Frank Brennan, who is working with Whalen on the project, looks on.

Scientific predictions indicate that solar activity will be at a minimum during the period of the IQSY. A worldwide magnetic survey will obtain data relative to solar cosmic rays, the auroral events, and the geomagnetic "K" index.

The study will involve measurements and experiments similar and complimentary to those conducted during the International Geophysical Year (IGY) period of SUNSPOT MAXIMUM. The IQSY program is not, however, a smaller scale repetition of the IGY; it will include objectives especially appropriate to SOLAR MINIMUM, taking advantage of knowledge gained during and after the

filed, hydromagnetic effects and the establishment of ring circuits around the earth.

Scientists of 36 nations have indicated their intention to participate in the IQSY program. The international objectives for the IQSY have been formulated over the last three years at various international conferences between government agencies and scientific societies.

Planning for the United States contribution to IQSY takes cognizance of the established programs of several agencies such as the National Bureau of Standards, U. S. Weather Bureau, U.S. Coast and Geodetic Survey, National Aeronautics and Space Administration and many others.



COMMAND CHANGE — Cdr. J. C. Quillin, (R) first commanding officer of the Navy Astronautics Group (NAG) at Point Mugu, reads his orders turning command of the group over to Capt. R. T. Tolle-son in ceremonies last Friday. The new NAG plaque appears on the front of the lectern. It has a blue background with a satellite orbiting the world.

THE MISSILE

Published every Friday for the military and civilian personnel of the Pacific Missile Range. Rear Admiral John E. Clark, commander; Capt. Jay B. Smith, Public Affairs Officer. A member of the Armed Forces Press Service, the Missile is printed commercially with appropriated funds in accordance with NAVEXOS P-35 (Rev. Nov. 1960).

Editor, Fred Melvin.